

CONSTRUCTION MATERIALS

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. See text for definitions of terms used in this table. Absence of an entry indicates that no rating is applicable.)

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Ac: Aquents-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: excess salt small stones
Af: Aquolls-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
ArA: Arnegard-----	Good	Improbable: excess fines	Improbable: excess fines	Good
ArB: Arnegard-----	Good	Improbable: excess fines	Improbable: excess fines	Good
ArC: Arnegard-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Ba: Banks-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Bk: Banks-----	Good	Probable	Improbable: too sandy	Poor: too sandy
BoA: Bowbells-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
BsB: Bowbells-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
BwA: Bowdle-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
ByB: Bowdle-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Stady-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
ByC: Bowdle-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Stady-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
CaE: Cabba-----	Poor: slope depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: slope depth to rock
CbF: Cabba-----	Poor: slope depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: slope depth to rock
Shale Outcrop-----	Poor: low strength shrink-swell depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: slope depth to rock
CF: Cut And Fill Land-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
ChD: Cohagen-----	Poor: depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: depth to rock
Vebar-----	Poor: area reclaim	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones thin layer
ChE: Cohagen-----	Poor: slope depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: slope depth to rock
Vebar-----	Poor: area reclaim slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Co: Colvin-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Dm: Dimmick-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Dv: Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
FaA: Falkirk-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
FaB: Falkirk-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
FbA: Falkirk-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Max-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones
FbB: Falkirk-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Max-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones
FbC: Falkirk-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Max-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones
FfA: Farnuf-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: too clayey
FfB: Farnuf-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: too clayey
FlD: Flasher-----	Poor: area reclaim thin layer	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim thin layer
FlE: Flasher-----	Poor: area reclaim slope thin layer	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim slope thin layer
FnA: Flaxton-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
FnB: Flaxton-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
FnC: Flaxton-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Fs: Fossum-----	Poor: wetness	Probable	Improbable: too sandy	Poor: too sandy wetness
GaA: Grail-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
GaB: Grail-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
Gn: Grano-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
GoA: Grassna-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
GP: Gravel Pits-----	Poor: slope	Probable	Probable	Poor: area reclaim small stones too sandy

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
HaA: Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Hk: Harriet-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt too clayey wetness
Saline Land-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt too clayey too sandy
Hn: Havrelon-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: too clayey
Ho: Havrelon-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: too clayey
Hs: Heil-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt too clayey wetness
IL: Intermittent Lake-----	---	---	---	---
KrB: Krem-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too sandy
La: Lallie-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
LaK: Lake-----	---	---	---	---
LeB: Lihen-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
LeC: Lihen-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
LgE: Lihen-----	Fair: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope too sandy
Zahl-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: slope
LmB: Linton-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Mandan-----	Good	Improbable: excess fines	Improbable: excess fines	Good
LmC: Linton-----	Good	Improbable: excess fines	Improbable: excess fines	Good

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Mandan-----	Good	Improbable: excess fines	Improbable: excess fines	Good
LmD: Linton-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: slope
Mandan-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: slope
LmE: Linton-----	Fair: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Mandan-----	Fair: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Lw: Lohler-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
Ly: Lohler-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
Ma: Makoti-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
MdA: Mandan-----	Good	Improbable: excess fines	Improbable: excess fines	Good
MdB: Mandan-----	Good	Improbable: excess fines	Improbable: excess fines	Good
MdC: Mandan-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Mf: Marysland-----	Poor: wetness	Probable	Probable	Poor: area reclaim small stones wetness
MgB: Max-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones
MhC: Max-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Bowbells-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Zahl-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
MlC: Max-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Zahl-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
MLD: Max-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: slope small stones
Zahl-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: slope small stones too clayey
MoC: Morton-----	Poor: area reclaim low strength	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim thin layer
NbA: Niobell-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
NbB: Niobell-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
NmB: Noonan-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
Miranda-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt
NmD: Noonan-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: slope
Miranda-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt
NtA: Nutley-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
NtB: Nutley-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
Or: Orthents-----	Poor: low strength slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Pa: Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Pe: Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
PhA: Parshall-----	Good	Improbable: excess fines	Improbable: excess fines	Good
PhB: Parshall-----	Good	Improbable: excess fines	Improbable: excess fines	Good
PhC: Parshall-----	Good	Improbable: excess fines	Improbable: excess fines	Good
PhD: Parshall-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: slope
PoA: Parshall-----	Good	Improbable: excess fines	Improbable: excess fines	Good
PoB: Parshall-----	Good	Improbable: excess fines	Improbable: excess fines	Good
RgC: Regent-----	Poor: area reclaim low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: thin layer
RhB: Rhoades-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt too clayey
Rm: Riverwash-----	Poor: wetness	Probable	Improbable: too sandy	Poor: small stones too sandy wetness
Ro: Roseglen-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
RpB: Roseglen-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Tansem-----	Fair: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
RpC: Roseglen-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Tansem-----	Fair: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
RsA: Ruso-----	Good	Probable	Probable	Poor: area reclaim small stones
RtB: Ruso-----	Good	Probable	Probable	Poor: area reclaim small stones
Manning-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
RtC: Ruso-----	Good	Probable	Probable	Poor: area reclaim small stones
Manning-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
RxB: Ruso-----	Good	Probable	Probable	Poor: area reclaim small stones
Manning-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
RyC: Ruso-----	Good	Probable	Probable	Poor: area reclaim small stones
Wabek-----	Good	Probable	Probable	Poor: area reclaim small stones
RzA: Ruso-----	Good	Probable	Probable	Poor: area reclaim small stones
SeD: Seroco-----	Fair: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope too sandy
Sn: Sinai-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
St: Straw-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Sx: Straw-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Straw, CHANNELED-----	---	---	---	---
TlC: Telfer-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
Lihen-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
Tp: Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Tr: Trembles-----	Good	Improbable: excess fines	Improbable: excess fines	Good

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
VwC: Vebar-----	Poor: area reclaim	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones thin layer
Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
W: Water (water Areas >40 Acres-----	---	---	---	---
WaB: Wabek-----	Good	Probable	Probable	Poor: area reclaim small stones
Zahl-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Max-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones
WaD: Wabek-----	Good	Probable	Probable	Poor: area reclaim small stones
Zahl-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: slope small stones too clayey
Max-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: slope small stones
WbB: Wabek-----	Good	Probable	Probable	Poor: area reclaim small stones
WbD: Wabek-----	Good	Probable	Probable	Poor: area reclaim small stones
WlB: Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
WmA: Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
WmB: Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
WoA: Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
Bowbells-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
WoB: Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
Bowbells-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
WoC: Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
Bowbells-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
WpB: Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
Bowbells-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Zahl-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
WrB: Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
Sinkhole-----	Poor: low strength slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
WsA: Wilton-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
WtB: Wilton-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Temvik-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: too clayey
WwC: Wilton-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey
ZcE: Zahl-----	Poor: low strength slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Cabba-----	Poor: slope depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: slope depth to rock
ZmE: Zahl-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: slope

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Max-----	Fair: low strength shrink-swell slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
ZpE: Max-----	Fair: low strength shrink-swell slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Zahl-----	Poor: low strength slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
ZwC: Zahl-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Williams-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: large stones too clayey

